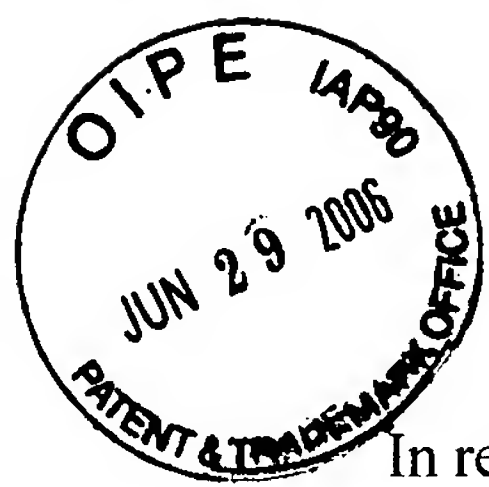


SW



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q90392

Keiichi MIYAMOTO, et al.

Appln. No.: 10/551,545

Group Art Unit: 1711

Confirmation No.: 3637

Examiner: Not Yet Known

Filed: September 30, 2005

For: MOLDED ELASTIN ARTICLE AND PROCESS FOR PRODUCING THE SAME

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

ATTN: Office of Initial Patent Examination
Filing Receipt Correction
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

We enclose a copy of the Official Filing Receipt for the above-identified application and request the following corrections:

ATTY. DOCKET NO

~~Q90382~~ Q90392

Assignment for Published Patent Application

Teijin Limited

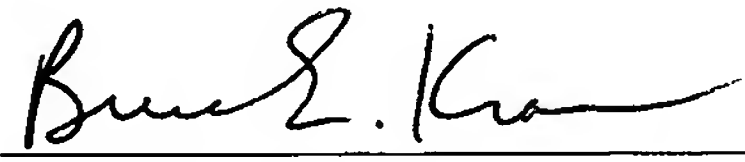
Title

~~Molded elastin article and processes for producing the same~~ Elastin Molded Article and Production Method Thereof

Request for Corrected Official Filing Receipt
USSN 10/551,545
Page 2 of 2

Verification for the requested corrections is indicated on the Executed Assignment, the Declaration filed September 30, 2005 and the Application Transmittal letter, along with the date-stamped filing receipt dated September 30, 2005.

Respectfully submitted,



Bruce E. Kramer
Registration No. 33,725

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: June 29, 2006



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/551,545✓	09/30/2005✓	1711	900	[Q90382] Q 90392	1	11	3

23373
 SUGHRUE MION, PLLC
 2100 PENNSYLVANIA AVENUE, N.W.
 SUITE 800
 WASHINGTON, DC 20037

DOCKETED

JUN - 2 2006

CONFIRMATION NO. 3637

FILING RECEIPT



OC000000018968374

Date Mailed: 05/26/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Keiichi Miyamoto, Tsu-shi, JAPAN;
 Eiichi Kitazono, Hino-shi, JAPAN;
 Takanori Miyoshi, Yamaguchi, JAPAN;
 Hiroaki Kaneko, Tokyo, JAPAN;
 Yoshihiko Sumi, Tokyo, JAPAN;
 Hitoshi Hirata, Mie, JAPAN;

Assignment for Published Patent Application Teijin Limited

Power of Attorney: The patent practitioners associated with Customer Number 23373.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/04494 03/30/2004

Foreign Applications

JAPAN 2003-094398 03/31/2003

Projected Publication Date: 08/31/2006

Non-Publication Request: No

Early Publication Request: No

Title

Preliminary Class
105

[Molded elastin article and process for producing the same]

Elastin Molded Article and Production Method
Thereof

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR

Assignment

Whereas, I/We Keiichi MIYAMOTO, Eiichi KITAZONO, Takanori MIYOSHI, Hiroaki KANEKO, Yoshihiko SUMI and Hitoshi HIRATA of Tsu-shi, MIE, JAPAN, Hino-shi, TOKYO, JAPAN, Iwakuni-shi, YAMAGUCHI, JAPAN, Hino-shi, TOKYO, JAPAN, Hino-shi, TOKYO, JAPAN and Tsu-shi, MIE, JAPAN, respectively hereinafter called assignor(s), have invented certain improvements in

ELASTIN MOLDED ARTICLE AND PRODUCTION METHOD THEREOF and executed an application for Letters Patent of the United States of America therefor on July 15, 21, 23 and 27, 2005; and

Whereas, TEIJIN LIMITED, a Japanese Corporation, of
6-7, Minamihommachi 1-chome, Chuo-ku, Osaka-shi, OSAKA 541-0054
JAPAN

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the filing date and application number of said application when known.

Date: July 23, 2005 s/ Keiichi Miyamoto

Date: July 21, 2005 s/ Eiichi Kitazono

Date: July 15, 2005 s/ Takanori Miyoshi

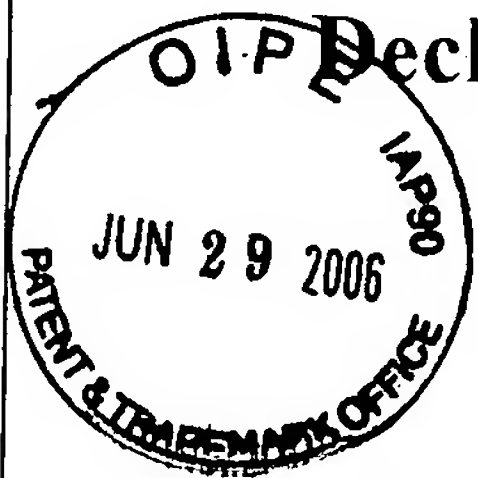
Date: July 21, 2005 s/ Hiroaki Kaneko

Date: July 21, 2005 s/ [Signature]

Date: July 27, 2005 s/ Hitoshi Hirata

Date: _____ s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)



Declaration and Power of Attorney for Patent Application

特許出願宣言書および委任状

Japanese Language Declaration

私は下記発明者として以下の通り宣言します：

As a below named inventor, I hereby declare that:

私の住所、郵送先、および国籍は私の氏名の後に記載された通りです。

My residence, mailing address and citizenship are as stated next to my name.

下記名称の発明に関し請求範囲に記載され特許出願がされている発明内容につき、私が最初、最先かつ唯一の発明者（下記氏名が一つの場合）であるか、あるいは最初、最先かつ共同発明者（下記氏名が複数の場合）であると信じます。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ELASTIN MOLDED ARTICLE AND PRODUCTION

METHOD THEREOF

下記項目に x 印が付いている場合を除き、上記発明の明細書は本書に添付されます。

the specification of which is attached hereto unless the following box is checked:

☐ 上記発明は米国出願番号あるいは PCT 国際出願番号 _____ (確認番号 _____) として _____ 年 _____ 月 _____ 日に提出され、
_____ 年 _____ 月 _____ 日に補正されました（該当する場合）。

☒ was filed on March 30, 2004
as United States Application Number or PCT
International Application Number
PCT/JP2004/004494 (Conf. No. _____)
and was amended on _____
(if applicable).

私は特許請求範囲を含み上述の補正で補正された前記明細書の内容を検討し、理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は連邦規則法典第 37 編 1 条 56 項に定義される特許性に肝要な情報について開示義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Japanese Language Declaration

私は米国法典第 35 編 119 条(a)-(d)あるいは 365 条(b)に基づき特許あるいは発明者証書の下記外国出願、または 365 条(a)に基づき米国以外の少なくとも 1 ヶ国を指定した下記 PCT 外国出願についての外国優先権をここに主張するとともに、下記項目に x 印を付けることにより優先権を主張する出願以前の出願日を有する特許あるいは発明者証書の外国出願あるいは PCT 外国出願を示します。

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior foreign application(s)
外国での先行出願

Priority Claimed
優先権の主張
Yes No
有り 無し

No. 2003-094398 _____ (Number) (番号)	Japan _____ (Country) (国名)
_____ (Number) (番号)	_____ (Country) (国名)
_____ (Number) (番号)	_____ (Country) (国名)
_____ (Number) (番号)	_____ (Country) (国名)
_____ (Number) (番号)	_____ (Country) (国名)
_____ (Number) (番号)	_____ (Country) (国名)

31/03/2003 _____ (Day/Month/Year Filed) (出願年月日)	<input checked="" type="checkbox"/> <input type="checkbox"/>
_____ (Day/Month/Year Filed) (出願年月日)	<input type="checkbox"/> <input type="checkbox"/>
_____ (Day/Month/Year Filed) (出願年月日)	<input type="checkbox"/> <input type="checkbox"/>
_____ (Day/Month/Year Filed) (出願年月日)	<input type="checkbox"/> <input type="checkbox"/>
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_____ (Day/Month/Year Filed) (出願年月日)	<input type="checkbox"/> <input type="checkbox"/>

私は米国法典第 35 編 119 条(e)に基づき下記の米国仮特許の利益をここに主張します。

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)
_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)

私は米国法典第 35 編 120 条に基づき下記米国特許出願、あるいは 365 条(c)に基づき米国を指定する下記 PCT 国際特許出願の利益をここに主張し、本特許出願内特許請求範囲の各項目の内容が米国法典第 35 編 112 条の最初の項に規定される方法により先行米国あるいは PCT 国際特許出願で開示されていない限りにおいて連邦規則法典第 37 編 1 条 56 項に定義される特許性に肝要で、先行特許出願の出願日から本特許出願の国内あるいは PCT の出願日までの間に入手された情報について開示義務があることを認めます。

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)
_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)

(Status: patented, pending, abandoned)
(状態: 特許成立済、係属中、放棄済)

(Status: patented, pending, abandoned)
(状態: 特許成立済、係属中、放棄済)

私は本宣言書内で私自身の知識に基づいてなされたすべての陳述が真実であり、情報および信ずるところに基づいてなされたすべての陳述が真実であると信じられていることをここに宣言し、さらに故意になされた虚偽の陳述等々は米国法典第 18 編 1001 条に基づき罰金あるいは拘禁または両方による処罰にあたり、またかような故意による虚偽の陳述はそれに基づく特許出願あるいは成立特許の有効性を危うくする可能性があることを認識した上でこれらの陳述をなしたことを宣言します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration

委任状：私は下記の米国特許商標局（USPTO）顧客番号のもとに記載される SUGHRUE MION 法律事務所のすべての弁護士を、同顧客番号のもとに記載される個々の弁護士は Sughrue Mion 法律事務所のための自由裁量に基づき変更され得ることを認識した上で、本特許出願の手続きおよびそれに関わる特許商標局との業務を遂行する弁護士として指名し、本特許出願に関するすべての通信が同 USPTO 顧客番号のもとに提出された住所宛に送付されることを要請します。

POWER OF ATTORNEY: I hereby appoint all attorneys of SUGHRUE MION, PLLC who are listed under the USPTO Customer Number shown below as my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Sughrue Mion, PLLC, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number.

23373

23373

PATENT TRADEMARK OFFICE

電話連絡は下記へ：（名前および電話番号）

SUGHRUE MION, PLLC
+1 (202) 293-7060

Direct Telephone Calls to: (name and telephone number)

SUGHRUE MION, PLLC
(202) 293-7060

唯一あるいは第一の発明者名	Full name of sole or first inventor Keiichi MIYAMOTO
発明者の署名 <div style="text-align: right;">日付</div>	Inventor's signature <i>Keiichi Miyamoto</i> <div style="text-align: right;">Date <i>July 23, 2005</i></div>
住所	Residence Tsu-shi, MIE, JAPAN
国籍	Citizenship Japanese
郵送先	Mailing Address c/o Department of chemistry for Materials, Faculty of Engineering, Mie University, 1515, Kamihama-cho, Tsu-shi, MIE 514-0008 JAPAN
第二の共同発明者（該当する場合）	Full name of second joint inventor, if any Eiichi KITAZONO
第二発明者の署名 <div style="text-align: right;">日付</div>	Second inventor's signature <i>Eiichi Kitazono</i> <div style="text-align: right;">Date <i>July 21, 2005</i></div>
住所	Residence Hino-shi, TOKYO, JAPAN
国籍	Citizenship Japanese
郵送先	Mailing Address c/o Tokyo Research Center, Teijin Limited, 3-2, Asahigaoka 4-chome, Hino-shi, TOKYO 191-0065 JAPAN

第三の共同発明者 (該当する場合)		Full name of third joint inventor, if any Takanori MIYOSHI	
第三発明者の署名	日付	Third inventor's signature <i>Takanori Miyoshi</i>	Date July 15, 2005
住所	Residence Iwakuni-shi, YAMAGUCHI, JAPAN		
国籍	Citizenship Japanese		
郵送先	Mailing Address c/o Iwakuni Research Center, Teijin Limited, 2-1, Hinode-cho, Iwakuni-shi, YAMAGUCHI 740-0014 JAPAN		
第四の共同発明者 (該当する場合)		Full name of fourth joint inventor, if any Hiroaki KANEKO	
第四発明者の署名	日付	Fourth inventor's signature <i>Hiroaki Kaneko</i>	Date July 21, 2005
住所	Residence Hino-shi, TOKYO, JAPAN		
国籍	Citizenship Japanese		
郵送先	Mailing Address c/o Tokyo Research Center, Teijin Limited, 3-2, Asahigaoka 4-chome, Hino-shi, TOKYO 191-0065 JAPAN		
第五の共同発明者 (該当する場合)		Full name of fifth joint inventor, if any Yoshihiko SUMI	
第五発明者の署名	日付	Fifth inventor's signature <i>Yoshihiko Sumi</i>	Date July 21, 2005
住所	Residence Hino-shi, TOKYO, JAPAN		
国籍	Citizenship Japanese		
郵送先	Mailing Address c/o Tokyo Research Center, Teijin Limited, 3-2, Asahigaoka 4-chome, Hino-shi, TOKYO 191-0065 JAPAN		
第六の共同発明者 (該当する場合)		Full name of sixth joint inventor, if any Hitoshi HIRATA	
第六発明者の署名	日付	Sixth inventor's signature <i>H. Hirata</i>	Date July 27, 2005
住所	Residence Tsu-shi, MIE, JAPAN		
国籍	Citizenship Japanese		
郵送先	Mailing Address c/o Department of Orthopedic Surgery, Faculty of Medicine, Mie University, 2-174, Edobashi, Tsu-shi, MIE 514-0001 JAPAN		



Sughrue

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September 30, 2005

MAIL STOP PCT

Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

PCT/JP2004/004494
-filed March 30, 2004

Re: Application of Keiichi MIYAMOTO, Eiichi KITAZONO, Takanori MIYOSHI,
Hiroaki KANEKO, Yoshihiko SUMI, and Hitoshi HIRATA
ELASTIN MOLDED ARTICLE AND PRODUCTION METHOD THEREOF
Assignee: **TEIJIN LIMITED**
Our Ref: Q90392

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with the Patent Cooperation Treaty:

- ☒ a copy of the executed Declaration and Power of Attorney.
- ☒ an English translation of the International Application.
- ☒ one (1) sheet of drawings (Figs. 1-2).
- ☒ a copy of the executed Assignment and PTO 1595 form.
- ☒ an Information Disclosure Statement and a copy of the ISR.
- ☒ Notification Concerning Submission or Transmittal of Priority Document.
- ☒ a PTO/SB/08 A & B (modified) listing the ISR references.
- ☒ **it is expressly requested that the national stage of processing be commenced immediately in accordance with 35 U.S.C. § 371(f).**

In addition to the documents submitted herewith, it is assumed that copies of the International Application, the International Search Report and cited references, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.



Sughrue

SUGHRUE MION, PLLC

Commissioner for Patents
Attorney Docket No. Q90392
Page 2

The Government filing fee is calculated as follows:

Total claims	<u>12</u>	-	<u>20</u>	=		x	\$50.00	=	<u>\$0.00</u>
Independent claims	<u>2</u>	-	<u>3</u>	=		x	\$200.00	=	<u>\$0.00</u>
Base Fee									<u>\$300.00</u>
Search Fee*									<u>\$400.00</u>
Examination Fee*									<u>\$200.00</u>
TOTAL FILING FEE									<u>\$900.00</u>
Recordation of Assignment									<u>\$ 40.00</u>
<u>TOTAL FEE</u>									<u>\$940.00</u>

* The international search fee for all claims was not paid to the USPTO, as the ISA, but the ISR is being submitted herewith.

Checks for the statutory filing fee of \$900.00 and Assignment recordation fee of \$40.00 are attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.

Priority is claimed from:

<u>Country</u>	<u>Application No</u>	<u>Filing Date</u>
Japan	2003-094398	March 31, 2003

Respectfully submitted,

Bruce E. Kramer
Registration No. 33,725

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: September 30, 2005

Inventor(s): Keiichi MIYAMOTO, Eiichi KITAZONO, Takanori
MIYOSHI, Hiroaki KANEKO, Yoshihiko SUMI, and Hitoshi HIRATA

Title: ELASTIN MOLDED ARTICLE AND PRODUCTION METHOD
THEREOF

Atty Doc. #: Q90392 Client: OHSHIMA AND COMPANY

Filing Date: September 30, 2005 # Pgs. Spec/Abst: 21/1 #Claims: 12

Dwg. Sheets: 1 Decl Yes (4 pages) Prelim Amdt No

PCT/ISA/210

IDS/Prior Art: Yes Pr Doc: No Asgmt: Yes Fee: \$900/40

PCT/IB/304

☒ Check Attached ☐ Charge to Deposit # 19-4880 Atty/Sec: BEK/sdc

PTO SB/08 A&B and PTO FORM 1595

SERIAL NO.:

CONF NO.:

